

Location: TA-74, Pueblo Canyon

Drilling: hollow stem auger and  
fluid-assist air rotary reverse  
circulation with casing advance  
Phase 1 Start date: 4/24/01  
Phase 1 End date: 4/25/01  
Phase 2 Start date: 5/5/01  
Phase 2 End date: 5/20/01

Borehole drilled to 902 ft

Data collection:  
Hydrologic properties:  
Field Hydraulic Testing: N/A

Cores/cuttings submitted for geochemical and contaminant characterization: (0)  
Groundwater samples submitted for geochem. and cont. characterization: (4)  
Geologic properties:  
Mineralogy, petrography, and chemistry (38)  
Borehole logs:  
Lithologic (0-902 ft)  
Video (LANL tool) 570-685 ft  
Natural gamma (LANL tool): cased 0-851 ft, open hole 851-902 ft  
Schlumberger Logs (0-851 ft cased, 851-898 ft open hole): Compensated Thermal and Epithermal Neutron, Spectral Gamma, and Litho-Density

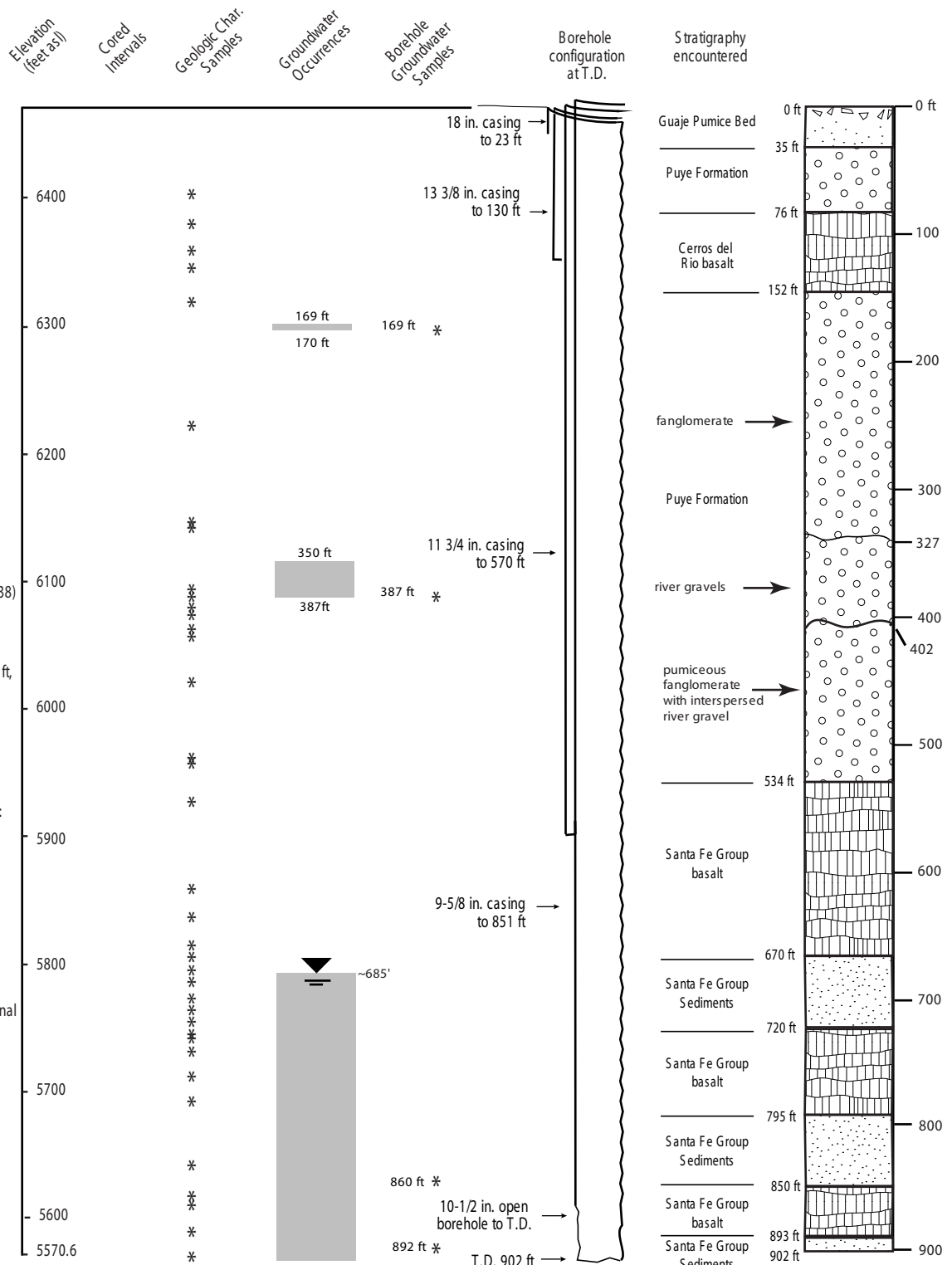
Contaminants Detected in Borehole Samples:  
Regional groundwater: nitrate

Well construction:  
Drilling Completed: 5/20/01  
Contract Geophysics: 5/21/01  
Well Constructed: 5/22/01-5/31/01  
Well Developed: 6/2/01 - 6/21/01  
Westbay Installed: 6/13/01 - 6/19/01

Casing: 4.5-in I.D. stainless steel with external couplings

Number of Screens: 4  
4.5-in I.D. pipe based, s.s. wire-wrapped;  
0.010-in slot

Screen (perforated pipe interval):  
Screen #1 - 326.4 - 331.5 ft  
Screen #2 - 372.8 - 388.8 ft  
Screen #3 - 676.9 - 720.3 ft  
Screen #4 - 858.7 - 863.7 ft



Well development consisted of brushing, bailing, and pumping.

Groundwater occurrence was determined by recognition of first water produced while drilling. Static water levels were determined after the borehole was rested.

Geologic contacts determined by examination of cuttings, petrography, rock chemistry and interpretation of natural gamma logs.